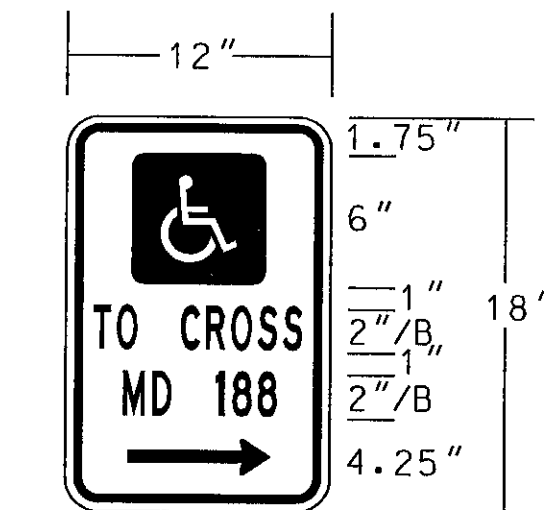
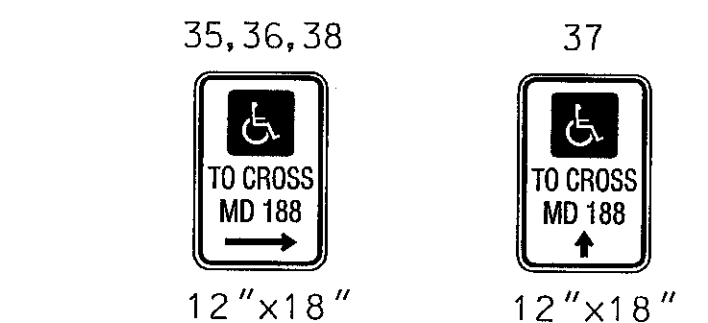


MD 188 IS ASSUMED TO RUN  
IN AN EAST/WEST DIRECTION



BLACK LEGEND ON  
WHITE BACKGROUND  
WITH BLUE LOGO

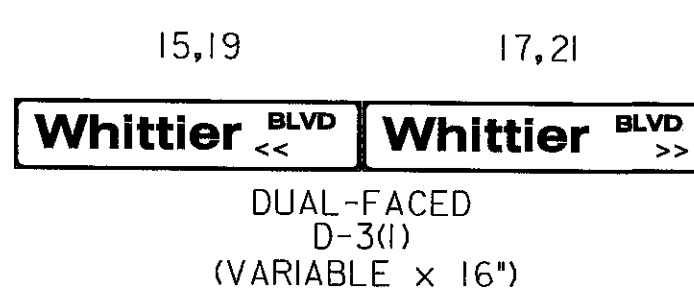
#### CONSTRUCTION DETAILS

- INSTALL NEMA SIZE '6' BASE MOUNTED CABINET W/LAU (NOTE: 2-4" AND 2-2" PVC 90 DEGREE ANGLE CONDUIT BENDS).
- INSTALL 23' STEEL POLE WITH TWIN 60' AND 38' (CUT TO 30') MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, AND VIDEO DETECTION CAMERA. (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND AND 4-1/2" DIA. x 60' LONG ANCHOR BOLTS).
- INSTALL 27' STEEL POLE WITH 38' MAST ARM (CUT TO 30'), 2" WEATHER HEAD, TRAFFIC SIGNAL HEADS, SIGNS, 15' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL AND VIDEO DETECTION CAMERA (NOTE: 1-3" AND 1-2" PVC 90 DEGREE CONDUIT BEND AND 4-1/2" DIA. x 60' LONG ANCHOR BOLTS).
- INSTALL 21' STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 2-WAY PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND VIDEO DETECTION CAMERA. (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND AND 4-1/2" DIA. x 60' LONG ANCHOR BOLTS).
- INSTALL SPLICE CABINET ON PEPCO UTILITY POLE WITH GALVANIZED RISER FOR INTERCONNECT REROUTE.
- INSTALL 10' PEDESTAL POLE (HAND EXCAVATED), 2-WAY PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND AND 4-1" DIA. x 40' LONG ANCHOR BOLTS).
- INSTALL HANDHOLE.
- INSTALL HANDHOLE (HAND EXCAVATED).
- PROPOSED LEASED LIGHTING (BY OTHERS).
- INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- PROPOSED OVERHEAD SERVICE.
- INSTALL 24" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- REMOVE EXISTING PAVEMENT MARKINGS.
- REMOVE EXISTING STRAIN POLE, SPAN WIRE, SIGNAL HEADS, SIGNS AND CABLE.
- REMOVE EXISTING POLE FOUNDATION TO 1' BELOW FINAL GRADE.
- REMOVE EXISTING CONTROLLER AND CABINET.
- REMOVE EXISTING HANDHOLE.
- NOT USED.
- INSTALL 10' PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGNS (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND AND 4-1"x40" ANCHOR BOLTS).
- INSTALL 4"x4" WOOD SUPPORT.
- AA. PROPOSED VIDEO DETECTION ZONE.

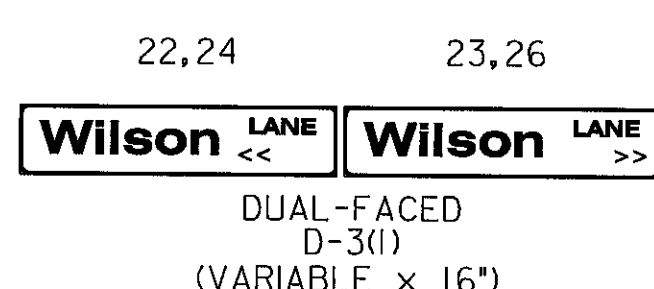
#### UTILITY LEGEND

— G — G — GAS MAIN  
— W — W — WATER MAIN  
— S — S — SEWER MAIN  
— E — E — ELECTRIC CABLES  
— A — A — AERIAL CABLES  
— T — T — TELEPHONE CABLES  
— A EX. I/C — AERIAL INTERCONNECT

#### PROPOSED SIGNS

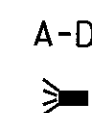


DUAL-FACED  
D-3(1)  
(VARIABLE x 16")

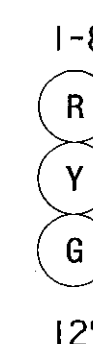


DUAL-FACED  
D-3(1)  
(VARIABLE x 16")

#### PROPOSED CAMERAS



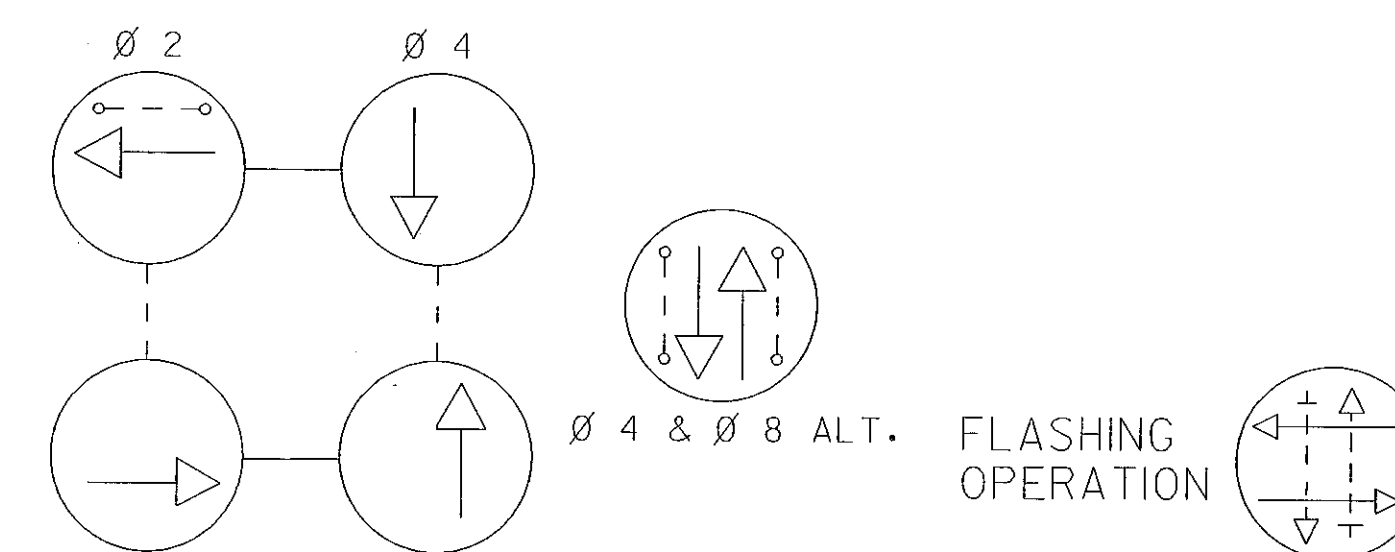
#### PROPOSED SIGNAL HEADS



12"

12"

#### NEMA PHASING



#### PHASING NOTES:

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

#### GENERAL NOTES

- CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED AND EXISTING UTILITIES PRIOR TO ANY WORK.
- ALL SIGNAL POLES, CONDUITS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
- CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING TRAFFIC SIGNAL POWER FEED WITH PEPCO.
- PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR AS PER MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS.
- REMOVE ALL UNUSED CABLE FROM WORK SITE.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATION OF EXISTING INTERCONNECT WITH PEPCO.
- REFER TO TRAFFIC CONTROL PLANS FOR SEQUENCE OF TRAFFIC SIGNAL CONSTRUCTION.
- THE EXISTING SIGNAL SHALL REMAIN OPERATIONAL UNTIL ENERGIZING OF THE NEW SIGNAL, INCLUDING TESTING, IS COMPLETE.
- THE CONTRACTOR IS TO PULL THE EXISTING OVERHEAD INTERCONNECT CABLE BACK TO THE POLE ON THE SE CORNER. THEN RUN THE CABLE OVERHEAD TO THE POLE ON THE SW CORNER. THE CABLE IS TO THEN RUN DOWN THE POLE AND INTO THE NEW SPLICE CABINET. THE NEW CABLE RUNS FROM THE SPLICE CABINET UNDER MD 188 TO THE NEW CONTROLLER. THE NEW CABLE IS THEN SPLICED BACK INTO THE EXISTING CABLE. THE NEW CABLE RUNNING UNDER MD 188 FROM THE SPLICE CABINET TO THE CONTROLLER SHALL BE 12 PAIR JELLYFILLED COMMUNICATION CABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES AT (240) 777-8761 SEVENTY TWO HOURS IN ADVANCE OF THE INTENDED WORK.
- CONTRACTOR SHALL RELOCATE EXISTING SIGNAL HEADS AS NEEDED TO CONSTRUCT THE SIGNAL.

UTILITY LINE CLEARANCES PEPCO POLE 763420-7359	
PRIMARY	43.7'
PRIMARY	40.2'
PRIMARY	36.4'
PRIMARY	33.0'
SECONDARY	24.6'
SECONDARY	23.9'
SECONDARY	23.2'
FIBER	20.2'
COMM	19.4'
COMM	18.4'
COMM	17.5'
COMM	16.3'

**RUMMEL, KLEPPER  
& KAHL, LLP**  
CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217  
TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
MD 188 (WILSON LANE) AT WHITTIER BLVD.  
SIGNAL PLAN

DRAWN BY: SRM  
CHECKED BY: BLB  
SCALE: 1"=20'  
DATE: DECEMBER 2002

F.A.P. NO. SEE TITLE SHEET  
S.H.A. NO. M08655177R  
COUNTY: MONTGOMERY  
LOC MILE:

TS NO. 400  
SHEET NO. 66 OF 82  
T.I.M.S. NO. E148